

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

2

Complete if Known 10/717,288

Application Number

CON of Serial No. 09/841,237

Filing Date

Concurrently herewith

First Named Inventor

Edward William ADAMS et al.

Art Unit

Unassigned

Examiner Name

Unassigned

Attorney Docket Number

7725-0001.01

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Document No.	Issue Date or Publication Date	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
	AA	4,138,381	2/6/79	Chang et al.			
	AB	4,504,618	3/12/85	Irvine et al.			
	AC	4,715,986	12/87	Gruning et al.			
	AD	5,110,505	5/5/92	Herron et al.			
	AE	5,587,446	12/24/96	Frechet et al.			
	AF	5,990,479	11/23/99	Weiss et al.			
	AG	6,007,845	12/99	Domb et al.			
	AH	6,048,616	4/11/00	Gallagher et al.			
	AI	6,150,459	11/21/00	Mayes et al.			4/13/99
	AJ	6,162,456	12/19/00	Dunbar et al.			9/24/92
	AK	6,319,426	11/01	Bawendi et al.			9/17/99
	AL	6,322,901	12/01	Bawendi et al.			11/13/97
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	AO	6,342,625	1/02	Kwetkat et al.			7/2/97
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	AQ	6,468,808	10/02	Nie et al.			9/24/99

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent Document No.	Publication Date	Country	Class	Subclass	T
	AR	WO 99/50916	10/7/99	PCT			
	AS	WO 00/17642	3/30/00	PCT			
	AT	WO 00/17655	3/30/00	PCT			
	AU	WO 00/17656	3/30/00	PCT			
	AV	WO 00/29617	5/25/00	PCT			

**OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), Title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	AW	ANTONIETTI et al. (1997), "Amphiphilic Derivatives of Poly(Acrylic Acid) as Stabilizer in Emulsion Polymerisation," <i>Macromol. Rapid Commun.</i> 18:295-302.	
	AX	BRUST et al. (1995), "Synthesis and Reactions of Functionalised Gold Nanoparticles," <i>J. Chem. Soc., Chem. Commun.</i> , pp. 1655-1656.	
	AY	CARROT et al. (1999), "Synthesis and Characterization of Nanoscopic Entities Based on Poly(Caprolactone)-Grafted Cadmium Sulfide Nanoparticles," <i>Chem. Mater.</i> 11(12):3571-3577.	
	AZ	EKIMOV et al. (1981), "Quantum Size Effect in Three-Dimensional Microscopic Semiconductor Crystals," <i>JETP Lett.</i> 34(6):345-349.	
	BA	INGRAM et al. (1997), "Poly-Hetero- $\omega$ -Functionalized Alkanethiolate-Stabilized Gold Cluster Compounds," <i>J. Am. Chem. Soc.</i> 119(39):9175-9178.	
	BB	JOHNSON et al. (1998), "Influence of a Terminal Functionality on the Physical Properties of Surfactant-Stabilized Gold Nanoparticles," <i>Langmuir</i> 14(23):6639-6647.	
	BC	KUMAR et al. (2000), "Phase Transfer of Aqueous CdS Nanoparticles by Coordination with Octadecanethiol Molecules Present in Nonpolar Organic Solvents," <i>Langmuir</i> 16(24):9299-9302.	

Examiner  
Signature

H T Le

Date

Considered

06/04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Complete if Known 10/717288			
		Application Number	CON of Serial No. 69/841,237		
		Filing Date	Concurrently herewith		
		First Named Inventor	Edward William ADAMS et al.		
		Art Unit	Unassigned		
		Examiner Name	Unassigned		
Sheet	2	of	2	Attorney Docket Number	7725-0001.01

OTHER DOCUMENTS — NONPATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), Title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T
h	BD	LEFF et al. (1996), "Synthesis and Characterization of Hydrophobic, Organically-Soluble Gold Nanocrystals Functionalized with Primary Amines," <i>Langmuir</i> 12(20):4723-4730.		
	BE	LOCHHEAD et al. (1994), "An Investigation of the Mechanism by Which Hydrophobically Modified Hydrophilic Polymers Act as Primary Emulsifiers for Oil-in-Water Emulsions. 1. Poly(Acrylic Acids) and Hydroxyethyl Celluloses," <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 88:27-32.		
	BF	MA et al. (1998), "Polymer Micelles from Poly(Acrylic Acid)-Graft-Polystyrene," <i>Macromolecules</i> 31(6):1773-1778.		
	BG	MOFFITT et al. (1998), "Spherical Assemblies of Semiconductor Nanoparticles in Water-Soluble Block Copolymer Aggregates," <i>Chem. Mater.</i> 10(4):1021-1028.		
	BH	PONCET-LEGRAND et al. (1999), "Rheological Behaviour of Colloidal Dispersions of Hydrophobic Particles Stabilised in Water by Amphiphilic Polyelectrolytes," <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 152:251-261.		
	BI	PREMACHANDRAN et al. (1997), "The Enzymatic Synthesis of Thiol-Containing Polymers to Prepare Polymer-CdS Nanocomposites," <i>Chem. Mater.</i> 9(6):1342-1347.		
	BJ	SASTRY et al. (1998), "Facile Surface Modification of Colloidal Particles Using Bilayer Surfactant Assemblies: A New Strategy for Electrostatic Complexation in Langmuir-Blodgett Films," <i>Langmuir</i> 14(20):5921-5928.		
	BK	SCHALLER et al. (1999), "Synthesis and Properties of Hydrophobically Modified Water-Borne Polymers for Pigment Stabilization," <i>Progress in Organic Coatings</i> 35:63-67.		
	BL	SHEN et al. (1999), "Bilayer Surfactant Stabilized Magnetic Fluids: Synthesis and Interactions at Interfaces," <i>Langmuir</i> 15(2):447-453.		
	BM	SIDOROV et al. (1999), "Stabilization of Metal Nanoparticles in Aqueous Medium by Polyethyleneoxide-Polyethyleneimine Block Copolymers," <i>Journal of Colloid and Interface Science</i> 212:197-211.		
	BN	SPATZ et al. (1996), "Gold Nanoparticles in Micellar Poly(Styrene)-b-Poly(Ethylene Oxide) Films-Size and Interparticle Distance Control in Monoparticulate Films," <i>Advanced Materials</i> 8(4):337-340.		
	BO	TRIBET et al. (1997), "Stabilization of Hydrophobic Colloidal Dispersions in Water with Amphiphilic Polymers: Application to Integral Membrane Proteins," <i>Langmuir</i> 13(21):5570-5576.		
h	BP	WANG et al. (1999), "Synthesis of Polycarbonate-co-Poly(p-Ethylphenol) and CdS Nanocomposites," <i>Journal of Applied Polymer Science</i> 72:1851-1868.		

Examiner Signature	H T L e	Date Considered	06/04
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